



Some applications of standard ion exchange resins require a conditioning treatment to reduce taste, odor, color, and extractable organic materials which may be present as manufacturing byproducts in virgin resins. There are different levels of treatment that are recommended. Some applications only require a rinse of the resin with several bed volumes of water. For higher purity applications, several cycles of acid and caustic regeneration and exhaustion are recommended. This cycling procedure is especially recommended for the use of standard ion exchange resins which are to be used in high purity mixed beds producing 18 megohm water with low total organic carbon (TOC).

In some special cases more intensive treatment is required, such as subjecting the resin to boiling water or steam or rinsing the salt form of the resin with a polar organic solvent such as acetone, methanol, or ethanol.

Type 1 strong base anion resins have a characteristic strong "fishy" amine odor which will be present during the first few cycles. To decrease this odor it is recommended that the anion resin be cycled through exhaustion and regeneration about 5 to 6 times.